

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

### **Listing of Claims:**

- 1-17. **(Cancelled)**
18. **(Previously Presented)** A method for lining concrete structures comprising:
- (a) preparing a surface of a concrete structure for application of a foam liner material;
  - (b) applying a foam liner material to said surface of said concrete structure; and
  - (c) curing said foam liner material to form at least two distinct layers, namely a surface layer and a barrier layer on said concrete structure.
19. **(Previously Presented)** The method of claim 18, wherein the foam liner material comprises a polyurea foam.
20. **(Previously Presented)** The method of claim 18, wherein the foam liner material comprises a polyurethane foam.
21. **(Previously Presented)** The method of claim 18, wherein step (a) further includes the steps of:
- (a) pressure washing the surface of the concrete structure; and
  - (b) heat drying the surface of the concrete structure.
22. **(Previously Presented)** The method of claim 18, wherein said foam liner is applied directly to said surface of said concrete structure.
23. **(Previously Presented)** A method for lining concrete structures comprising:
- (a) preparing a surface of a concrete structure for receipt of a foam material;
  - (b) applying a foam material directly to said surface of said concrete structure; and

- (c) curing said foam material, the curing of which results in the formation of a protective liner over said concrete structure, said protective liner having at least two distinct layers.
24. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner with at least two separate layers.
25. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner with at least three separate layers.
26. **(Previously Presented)** The method of claim 23, wherein the step of curing results in a protective liner comprised of an inner hard shell, an outer bonding layer and an insulative core between said hard shell and bonding layer.
27. **(Previously Presented)** The method of claim 24, wherein one of said layers provides rigidity and structural integrity to the liner.
28. **(Previously Presented)** The method of claim 24, wherein one of said layers is cellular in structure.
29. **(Previously Presented)** The method of claim 24, wherein one of said layers traps air within its structure to provide an insulating effect by said layer.
30. **(Previously Presented)** The method of claim 24, wherein one of said layers is a bonding layer that bonds the other layer to the surface of the concrete structure.
31. **(Previously Presented)** The method of claim 30, wherein said bonding layer seals the surface of the concrete structure.
32. **(Previously Presented)** The method of claim 25, wherein

- (a) one of said layers provides rigidity and structural integrity to the liner;
- (b) another of said layers is cellular in structure and traps air within a portion of said cells to provide an insulating effect by said layer; and
- (c) another of said layers is a bonding layer that bonds the other layers to the surface of the concrete structure.

33-36. **(Cancelled)**

37. **(Previously Presented)** The method of claim 24, wherein

- (a) said first layer is a closed-cell foam and
- (b) said second layer is a hard, watertight skin.

38. **(Previously Presented)** The method of claim 24, wherein said protective liner comprises:

- (a) a first layer formed of a closed-cell foam and
- (b) a second layer formed of a hard, watertight shell.

39. **(Previously Presented)** The method of claim 38, wherein said first layer is disposed adjacent said surface between said surface and said hard, watertight shell.

40. **(Previously Presented)** The method of claim 18, wherein said foam liner material comprises an epoxy.

41. **(Previously Presented)** The method of claim 18, wherein said step of preparing comprises cleaning said surface.

42. **(Previously Presented)** The method of claim 23, wherein said step of preparing comprises cleaning said surface.